Date: Thu, 9 Dec 93 04:30:41 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #126
To: Ham-Equip

Ham-Equip Digest   Thu, 9 Dec 93   Volume 93 : Issue 126

Today's Topics:

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 07 Dec 1993 17:18:04 GMT
From: yuma!galen@purdue.edu
Subject: 94 MHz L.O./ Case Ground???????
To: ham-equip@ucsd.edu

I'm building a 94 MHz Local Oscillator, and the transistor has a case
ground pin. Should I ground it or cut it off? It's an NPN transistor
in a TO-72 case (little metal can).
Many thanks,
Galen, KF0YJ

Date: Tue, 7 Dec 1993 16:43:36 GMT
From: usc!howland.reston.ans.net!pipex!bnr.co.uk!corpgate!news.utdallas.edu!
feenix.metronet.com!copeland@network.ucsd.edu
Subject: AM & SW antennae for $5 , Great for Superradio III !
To: ham-equip@ucsd.edu

I finally found a cheap solution for an AM antennae for my Superradio III.

In the September 1993 issue of Monitoring Times on page 100 is an
article on how to make passive and active AM antennaes.

It has a picture of a small PC board to make the active antennae.
It boosts antennae gain 10db. The author will sell the blank PC boards
for $3.50 + $1.50 for shipping.

The address is:

FAR Circuits
18N640 Field Court
Dundee, IL 60118

If you want a copy of the article, I can e-mail you the two pages in
GIF or TIF format. Send request to copeland@feenix.metronet.com

Newsgroups: rec.radio.amateur.antenna,
rec.radio.amateur.equipment,
rec.radio.amateur.homebrew,
rec.radio.shortwave
Subject: AM & SW antennae for $5
Summary:
Expires:
Sender:
Followup-To:
Distribution: world
Organization: Texas Metronet, Internet for the Individual 214-705-2917 (info)
Keywords:
Cc:

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GIF or TIF format. Send request to copeland@feenix.metronet.com

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Date: 07 Dec 1993 18:59:22 GMT
From: hpscit.sc.hp.com!news.dtc.hp.com!col.hp.com!csn!magnus.acs.ohio-state.edu!
usenet.ins.cwru.edu!howland.reston.ans.net!europa.eng.gtefsd.com!fs7.ece.cmu.edu!
fs7.ece.cmu.@sdd.hp.com
Subject: Current mod servers
To: ham-equip@ucsd.edu

In article <msattlerCHMuJs.B72@netcom.com>, msattler@netcom.com (Michael Sattler)
writes:

> Could someone please post the addresses of current mod servers? I
> remember that one was closing down a while back and I lost the
> pointers I had to others...

Here is my list of ftp sites:

ham.eetech.mcgill.ca (aka atlas.eetech.mcgill.ca)	/pub/ham-radio/mods
bubba.business.uwo.ca	/mods/
garfield.catt.ncsu.edu	/pub/hamradio/HAM_MODS
kilroy.jpl.nasa.gov	/pub/hamradio/Mods
ftp.geo.brown.edu	/pub/hamradio/rigmods

And one mail server:

pcserver@novell.business.uwo.ca
    examples of main body email requests are as follows:
        HELP
        SENDME RADIO MODS
        SENDME TH215 MODS
        SENDME ALLBAND MODS

- Derek

--

Derek Noonburg derekn@vw.ece.cmu.edu
Electrical & Computer Engineering Dept., Carnegie Mellon University

---

Date: 7 Dec 1993 07:21:30 MST
From: ftpbox!mothost!schbbs!waccvm.corp.mot.com!RZ5630@uunet.uu.net
Subject: Drake equipment wanted
To: ham-equip@ucsd.edu

I am looking for a Drake model R4C or R7 receiver. The receivers must be in factory original condition. No modifications of any kind.

I have a station consisting of a model T4XC and a R4C at the present time. The only trouble is the R4C has been modified to accommodate SSB and CW performance over AM. As a SSB & CW receiver, I don't think the performance can be improved but the AM performance does suffer.

I do enjoy operating a little AM from time to time, and would like to find an R4C receiver in original condition. The units that I have at present are in like new condition except for the SSB modification. I would like to trade my R4C for one that is not modified, or buy one that is not modified so I can enjoy operating AM once in awhile. The R4C receiver that I have, has had many improvements made to it to receive very low level SSB signals. It can copy extremely weak signals in the middle of a "DX Pile Up". Great for DX chasers but not to great for AM work.

The R7 receiver is of course the top of the line in Drake receivers made for Ham Radio applications. I would like to find one to replace the R4C in my station. I used to have a TR7 and really miss it. I don't think anyone has a better "Pass Band Tuning" system than Drake.

If you have either of these receivers and would consider selling or trading, please EMAIL me your offer.

Thanks,
Bob Norman
ARS K7NWB
RZ5630@WACCVM.CORP.MOT.COM
BNORMAN@LIBRE.COM
602-833-7786 home
602-897-4508 work

Date: 3 Dec 1993 14:06:16 GMT
From: swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
vixen.cso.uiuc.edu!cs.uiuc.edu!news1.oakland.edu!vela.acs.oakland.edu!

prvalko@network.ucsd.edu
Subject: ENTRY-LEVEL RIGS - RE
To: ham-equip@ucsd.edu

: The Heathkit HW-101 or SB-101 is a pretty good deal, too. (If you don't
: mind tube gear. 73 de WB4IUY

*** After I upgraded to General, I rewarded myself buy buying and
building a HW-101.

*** After I upgraded to Advanced, I rewarded myself by purchasing a new
Ten Tec Triton IV.

*** After I upgraded to extra, I was broke. I didn't even change this
AWFULL callsign :-)

73 paul wb8zjl

Date: 6 Dec 1993 19:28:05 -0500
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
newsserver.jvnc.net!newsserver.cshl.org!newsserver.cshl.org!not-for-
mail@network.ucsd.edu
Subject: For Sale - Almost new Gear
To: ham-equip@ucsd.edu

Due to some major changes in my life I am forced to
sell all of my nearly new ham radio gear. All of the
equipment is less than one year old, and was purchased by
me.

Here is the list:

Kenwood TS-690 -	$ 1,075.
MFJ 948 Tuner	$ 75.
Astron RS-35m Power Supply	$ 95.
Kantronics KPC-3	$ 65.
Alinco DJ-580 Dual Band HT	$ 275.
MFJ - 1796 multi band vertical Antenna	$ 100.

You can reach me by phone or e-mail.

-Fred

>| ==== Fred J. Stellabotte stellabo@cshl.org
>| ==== Computer Systems Manager
>| ==== CFI-AI-MEI HAM: N2JCD

  >| ==== ____
  >| ==== Cold Spring Harbor Laboratory   Voice: (516)367-8420
  >| ==== 1 Bungtown Road   Fax: (516)367-8845
  >| ==== Cold Spring Harbor, New York 11724

Date: 6 Dec 1993 21:14:10 GMT
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!usenet.ins.cwru.edu!slc6!trier@network.ucsd.edu
Subject: Good source for VHF/UHF kits?
To: ham-equip@ucsd.edu

Since the Ramsey kits received such unfavorable reviews, I'm left
wondering if there are any good kits for 2m, 220 MHz, and 440 MHz
transceivers, preferably synthesized.

        Stephen

--
Stephen Trier KB8PWA   "The light at the end of the tunnel
Work: trier@ins.cwru.edu   may be an oncoming dragon"
Home: sct@po.cwru.edu   - Unknown

Date: Sun, 5 Dec 1993 20:52:37 GMT
From: agate!iat.holonet.net!pubcon!brian.oakley@ames.arpa
Subject: handhelds at hi schoo
To: ham-equip@ucsd.edu

i agree that the use of the radios does require a license, but not that
of the user. it requires a license by those to whom the frequency is
assigned. the use of this frequency is commonly leased, ie, via
repeater. we leased uhf and vhf radio equipment from a company in
dallas and they leased us the use of their repeater and frequencies.
we, the end user are not required to keep a license, albiet that the
company we leased from could yank their ok for us to use the frequency.
if this is not so, someone please read me chapter and verse, cuz we did
it for years. 73 wb5kxw

Date: 6 Dec 1993 21:32:13 GMT
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!swrinde!sdd.hp.com!col.hp.com!jms@network.ucsd.edu
Subject: Help! Problems with SB-200

To: ham-equip@ucsd.edu

Danny Stone (dstone@bnr.ca) wrote:
: I recently bought a SB-200 and decided to "upgrade the circuitry." My
: modifications consisted of the following:

< stuff deleted >

	Freq. (MHz)	Output Power (W)	Plate Current (mA)	Plate Voltage (V)
:	14.000	690 [250]	500 [250]	1800 [1850]
:	14.350	600 [280]	400 [250]	1800 [1850]

: As expected, the power supply improvements generally resulted in a somewhat
: higher plate voltage and a corresponding higher RF output. HOWEVER, the
: performance on 20 Meters is greatly WORSE !!!

I don't have a *lot* of experience in this area, other than building an
amplifier from scratch, but one thing comes to mind. If you changed the
sel-resonant frequency of the parasitic choke to where it's close to
14 MHz, that 'might' cause the problem. Of course, if you transmit long,
you will know it from the smoke emitting from the choke!

Good luck.. de Mike, K0TER

Date: 6 Dec 1993 21:34:52 GMT
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
cs.utexas.edu!sdd.hp.com!col.hp.com!jms@network.ucsd.edu
Subject: Help! Problems with SB-200
To: ham-equip@ucsd.edu

Mike Stansberry (jms@col.hp.com) wrote:
: Danny Stone (dstone@bnr.ca) wrote:
: : I recently bought a SB-200 and decided to "upgrade the circuitry." My
: : modifications consisted of the following:

: < stuff deleted >

		Freq. (MHz)	Output Power (W)	Plate Current (mA)	Plate Voltage (V)
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: : As expected, the power supply improvements generally resulted in a somewhat

: : higher plate voltage and a corresponding higher RF output. HOWEVER, the
: : performance on 20 Meters is greatly WORSE !!!

: I don't have a *lot* of experience in this area, other than building an
: amplifier from scratch, but one thing comes to mind. If you changed the
: sel-resonant frequency of the parasitic choke to where it's close to
: 14 MHz, that 'might' cause the problem. Of course, if you transmit long,
: you will know it from the smoke emitting from the choke!

: Good luck.. de Mike, K0TER

I should have read closer before posting. I notice the plate current is
down on 20 meters also. Don't think my previous suggestion is the problem.

Mike, K0TER

Date: 7 Dec 1993 14:58:03 GMT
From: usc!sol.ctr.columbia.edu!news.kei.com!ub!csn!col.hp.com!jms@network.ucsd.edu
Subject: Repeater Problem with HTX-202
To: ham-equip@ucsd.edu

Scott Diamond (scottd@sail.labs.tek.com) wrote:

: Hi,

: I'm having some trouble connecting to autopatch on a local repeater
: when I use an older Radio Shack HTX-202 Transciever. There appears to
: be an equipment problem but it isn't clear exactly what is wrong with
: my equipment and I'm wondering if the net has any suggestions.

: There are two autopatches in our area.   One of them I can reach fine
: (on 147.320) and the other one I cannot get through to (on 147.040).
: It is not a case of operator error or being too distant from the
: station. A friend of mine has a newer model of the HTX-202. We took
: both radios out to the car, choose the identical setting, same antenna
: and same power supply. With my radio neither of us could get through,
: with his radio both of us could get through. The problem seems to be
: that the DTMF access code isn't being recognized by one repeater, but
: is ok on the other one.

: To check to make sure my radio was reaching the transmitter we talked
: through it and the voice came through clearly. We couldn't check how
: well the DTMF tones went through this repeater because the repeater
: blocks these tones but we did go to simplex and the tones seemed to
: sound just fine.

: I'm not really certain what is wrong. I'd guess that my DTMF tones are
: not perfect and one autopatch is just more sensitive than the other.
: Does this sound reasonable?   Any other suggestions as to why I'm not
: getting through? I'd like to bring my transciever into radioshack and
: have them look at it but I'd like to have some idea of what is wrong.

: Thanks in advance for all suggestions. Please e-mail suggestions to me
: and I'll summarize responses if there is any interest.

Check your transmit deviation with the tones. Many of those radios came
from the factory with the deviation too high on the tones, and possibly,
too low on voice. It shouldn't be more than 3KHz on the tones. Some
repeaters will work with higher deviation inputs, some will not.

Mike, K0TER

Date: 9 Dec 93 00:49:01 GMT
From: ogicse!hp-cv!hp-pcd!hpspkla!depaul@network.ucsd.edu
Subject: RF Speech Processor ?
To: ham-equip@ucsd.edu

Hello.

Do you know of a good RF speech processor that can be installed in a
rig? I've recently heard of Magicom...do you know their phone #, and
any others that can be mounted INSIDE A RIG.

The outboard processors get too much RFI into the audio.

Thanks,

Marc DePaul
depaul@hpspksf.spk.hp.com

Date: 6 Dec 93 07:19:02 GMT
From: Mercury.mcs.com!chigate!Uucp@uunet.uu.net
Subject: Signal/One CX7A help
To: ham-equip@ucsd.edu

JSGot a Signal/One CX7A for cheap at a hamfest recently. Boy, did it need a

JSSo, woould be interested in corresponding with other owners/users on
  details. The stability of the rig is not great (tolerable), and it would

> be interesting to know how much is the basic design and how much is some
> aging components. Also, the rig was missing its audio power output stage,
> using a Motorola MFC9020 (*a rather ancient chip, about the size of a DIP
> package but with thicker leads). I wonder if it would be better to just
> build up another audio amp with modern power amp chips (LM380, etc)

I too own a CX7A. It is currently in the shop being overhauled. It's
way beyond my level as repair jobs go. But I have made contact with
some elements of the Signal One "underground" and I've learned a few
things. First, you should try to get ahold of copies of the old S/1
NEWS newsletter that was published for a few years and discussed many
of the common problems and their cures. It turns out that the audio
output stage was a major headache and many owners ripped it out and used
external audio.

The history of the radio is that it was never reliable and few (less
than 2500) were made or sold. There are over 400 published mods for the
CX7A. Some of these overlap and many of them relate to the power supply
which was a terrible design.

How many CX7's are alive today is anybody's guess. It can't be over 500,
and is probably more like 250. Even parts rigs have become expensive--in
the $3-400 range.

I have no excuse for liking that radio--I'm just a sucker for Nixie
tubes...

 X SLMR 2.1a X

Date: 3 Dec 1993 14:00:05 GMT
From: swrinde!cs.utexas.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!cs.uiuc.edu!
news1.oakland.edu!vela.acs.oakland.edu!prvalko@network.ucsd.edu
To: ham-equip@ucsd.edu

References <CHD1n3.BJ6@raster.Kodak.COM>, <2dim82$i4p@oak.oakland.edu>,
<8476.2cfe2338@hayes.com>ui
Subject : Re: entry-level rigs - recommendations?

Bill Coleman (bcoleman@hayes.com) wrote:
: In article <2dim82$i4p@oak.oakland.edu>, prvalko@vela.acs.oakland.edu (prvalko)
writes:
: >
: > If you are getting your NOVICE license, look for a Heathkit HW-16 and
: > HG-10B VFO. That combination is an excellent "entry-level" radio at
: > under $125.

: I disagree. The HW-16 and HG-10B were great entry level rigs FIFTEEN YEARS
: AGO! While these venerable tube-type rigs still work, they aren't anything
: like rigs of today. I wouldn't recommend anyone but a nostalgia buff mess
: around with this old tube gear.

*** Ok Bill, we disagree. I don't consider $1,000 setup to be entry
level. If you that's cool, wrong, but cool nevertheless.

: Besides, the HW-16 won't let a Novice exercise their full privileges on
: HF. It does not support SSB or digital modes on 10M. It only does CW.

*** Hello? Mc Fly? CW is the only mode a novice should be interested in
if they have any intention of not being a life-time novice. All those
othe rcool modes can come with time, your going to be a ham for the rest
of your life anyways, so why do every possible thing on your first QSO?

: I recommend Novices do as I did. Buy the best HF setup you can afford.
: (In my case, this was a used heath SB-301, SB-401, but that was 1976) That way,
: when you upgrade, you won't have to replace it and buy new.

*** I agree, do what *I* did, get a HW-16 and stay with it until you
upgrade. Buy a new/beter rig every time you do, it's better incentive
than one of those screwy metric callsigns.

: The brand new gear is interesting, but go to a hamfest and look for some
: of the older solid-state gear.

*** The Ten*Tec Century 21 *is* "older solid-state gear."

: > If you have a couple hundred to spend on an "entry-level rig", look for
: > a used Ten Tec Century 21 at $200-$250. Agrueably the finest "novice"
: > level radio ever produced.

: Again, a CW-only rig. Novices have had SSB and digital privileges for 5
: years now. Unless your interests in radio run purely in CW, I don't
: recommend a CW-only rig.

*** I do.

: --
: Bill Coleman, AA4LR   ! CIS: 76067,2327   AppleLink: D1958
: Principal Software Engineer   ! Packet Radio: AA4LR @ W4QO
: Hayes Microcomputer Products, Inc. ! UUCP: uunet!hayes!bcoleman
: POB 105203 Atlanta, GA 30348 USA   ! Internet: bcoleman%hayes@uunet.uu.net
: Disclaimer: "My employer doesn't pay me to have opinions."
: Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

*** AA4LR <===== heh heh err... sorry Bill, no offense on that "metric

callsign" comment. Looks good on you :-)

73 paul WB8ZJL (Flame war not intended, nor implied!)

p.s. Our new ham friend OBVIOUSLY has the ability to buy a nice rig to start off with. I simply don't consider ANY "brand-new" $1,000 box to be "entry-level" :-) I thought it was funny. :-)

Date: 7 Dec 1993 11:45:25 GMT
From: ghost.dsi.unimi.it!univ-lyon1.fr!elendir@tcgould.tn.cornell.edu
To: ham-equip@ucsd.edu

References <1993Dec5.140617.23359@ke4zv.atl.ga.us>, <1993Dec6.194917.22150@pony.ingres.com>, <2e13rc$orv@umcc.umcc.umich.edu>
Subject : Re: New Ham 'bout to arrive

Matthew Rupert (hoagy@umcc.umcc.umich.edu) wrote:

: Yes, that's great. Right now, though, as I said, I can't HAVE
: an external (outside of my apartment) antenna - it's against the rules.

 Strange. I dunno how it goes in USA, but in France, once you have your licence, nobody can deny you the right to have an antenna on the roof of your building or whatever. This is enforced by law. I'm surprised it's different overseas.

 Vince. (Also waiting for my callsign)

End of Ham-Equip Digest V93 #126
****
****